

CLAIM AMENDMENTS

Claims 1-7 (cancelled):

Claim 8 (new): An alert system for vehicle tire, comprising at least an alert device provided at a tire valve of the vehicle tire, wherein said alert device comprises:

a signal arrangement which comprises a cap, a signal generator received in said cap, and a power supply arrangement which comprises a first contact unit connected to said generator and a second contact unit; and

a connector, for connecting to the tire valve of the vehicle tire, which has a detecting cavity for communicating with an interior pneumatic pressure of the vehicle tire and comprises:

a conductor disposed in said detecting cavity;

a conducting unit normally positioned apart from said connector;

a resilient element disposed between said connector and said conducting unit for applying a force against said conducting unit towards said connector;

a power inlet connected to said second contact unit of said power supply arrangement; and

a power outlet connected to said signal generator, wherein when the interior pneumatic pressure of the vehicle tire is higher than a predetermined standard pressure, said conducting unit is spaced apart from said conductor such that said power inlet and said power outlet are electrically disconnect with each other, wherein when the interior pneumatic pressure of the vehicle tire is lower than said predetermined standard pressure, said resilient element pushes said conducting unit to contact with said conductor such that said power inlet and said power outlet are electrically connected to transmit electricity from said power inlet through said second contact unit of said power supply arrangement to said power outlet and generate a warning signal.

Claim 9 (new): The alert system, as recited in claim 8, wherein said connector further comprises a first communicating unit for connecting to the tire valve of the

vehicle tire and a second communicating unit spaced apart from said first communicating unit to hold said conductor in position.

Claim 10 (new): The alert system, as recited in claim 9, wherein said connector comprises an insulating plate positioned at a bottom surface of said second communicating unit, wherein said conductor is mounted on said second communicating unit at a position to surround a peripheral portion of said insulating plate so as to securely connect said insulating plate with said second communicating unit, wherein said detecting cavity is defined between said bottom surface of said second communicating unit and said insulating plate when resilient element is compressed and shortened in length by the interior pneumatic pressure of the vehicle tire.

Claim 11 (new): The alert system, as recited in claim 8, wherein said connector further comprises a main body having a tooth-shaped outer surface, wherein an opening of said cap has an inner surface to receive said outer surface of said connector so as to securely connect said cap to said connector.

Claim 12 (new): The alert system, as recited in claim 10, wherein said connector further comprises a main body having a tooth-shaped outer surface, wherein an opening of said cap has an inner surface to receive said outer surface of said connector so as to securely connect said cap to said connector.

Claim 13 (new): The alert system, as recited in claim 8, wherein said alter deice further comprises a signal receiver communicated with said signal generator adapted for receiving a signal from said signal generator and transforming the signal to an audio output or a visual display for illustrating said warning signal with respect to said alert device that produces said warning signal.

Claim 14 (new): The alert system, as recited in claim 10, wherein said alter deice further comprises a signal receiver communicated with said signal generator adapted for receiving a signal from said signal generator and transforming the signal to an audio output or a visual display for illustrating said warning signal with respect to said alert device that produces said warning signal.

Claim 15 (new): The alert system, as recited in claim 12, wherein said alter deice further comprises a signal receiver communicated with said signal generator

adapted for receiving a signal from said signal generator and transforming the signal to an audio output or a visual display for illustrating said warning signal with respect to said alert device that produces said warning signal.

Claim 16 (new): The alert system, as recited in claim 13, wherein said signal receiver has a plurality of receiving channels correspondingly to various signal frequencies so as to distinguish said warning signal received from said alert device.

Claim 17 (new): The alert system, as recited in claim 14, wherein said signal receiver has a plurality of receiving channels correspondingly to various signal frequencies so as to distinguish said warning signal received from said alert device.

Claim 18 (new): The alert system, as recited in claim 15, wherein said signal receiver has a plurality of receiving channels correspondingly to various signal frequencies so as to distinguish said warning signal received from said alert device.

Claim 19 (new): An alert device, comprising:

a signal arrangement which comprises a cap, a signal generator received in said cap, and a power supply arrangement which comprises a first contact unit connected to said generator and a second contact unit; and

a connector, adapted for mounting to a valve of a pneumatic object, which has a detecting cavity for communicating with a pneumatic pressure of the pneumatic object and comprises:

a conductor disposed in said detecting cavity;

a conducting unit normally positioned apart from said connector;

a resilient element disposed between said connector and said conducting unit for applying a force against said conducting unit towards said connector;

a power inlet connected to said second contact unit of said power supply arrangement; and

a power outlet connected to said signal generator, wherein when the pneumatic pressure of the pneumatic object is higher than a predetermined standard pressure,

said conducting unit is spaced apart from said conductor such that said power inlet and said power outlet are electrically disconnect with each other, wherein when the pneumatic pressure of the pneumatic object is lower than said predetermined standard pressure, said resilient element pushes said conducting unit to contact with said conductor such that said power inlet and said power outlet are electrically connected to transmit electricity from said power inlet through said second contact unit of said power supply arrangement to said power outlet and generate a warning signal.

Claim 20 (new): The alert system, as recited in claim 19, wherein said connector further comprises a first communicating unit for connecting to the tire valve of the vehicle tire and a second communicating unit spaced apart from said first communicating unit to hold said conductor in position.

Claim 21 (new): The alert system, as recited in claim 20, wherein said connector comprises an insulating plate positioned at a bottom surface of said second communicating unit, wherein said conductor is mounted on said second communicating unit at a position to surround a peripheral portion of said insulating plate so as to securely connect said insulating plate with said second communicating unit, wherein said detecting cavity is defined between said bottom surface of said second communicating unit and said insulating plate when resilient element is compressed and shortened in length by the interior pneumatic pressure of the vehicle tire.

Claim 22 (new): The alert system, as recited in claim 19, wherein said connector further comprises a main body having a tooth-shaped outer surface, wherein an opening of said cap has an inner surface to receive said outer surface of said connector so as to securely connect said cap to said connector.

Claim 23 (new): The alert system, as recited in claim 21, wherein said connector further comprises a main body having a tooth-shaped outer surface, wherein an opening of said cap has an inner surface to receive said outer surface of said connector so as to securely connect said cap to said connector.

Claim 24 (new): The alert system, as recited in claim 19, wherein said alter deice further comprises a signal receiver communicated with said signal generator adapted for receiving a signal from said signal generator and transforming the signal to

an audio output or a visual display for illustrating said warning signal with respect to said alert device that produces said warning signal.

Claim 25 (new): The alert system, as recited in claim 21, wherein said alter deice further comprises a signal receiver communicated with said signal generator adapted for receiving a signal from said signal generator and transforming the signal to an audio output or a visual display for illustrating said warning signal with respect to said alert device that produces said warning signal.

Claim 26 (new): The alert system, as recited in claim 22, wherein said alter deice further comprises a signal receiver communicated with said signal generator adapted for receiving a signal from said signal generator and transforming the signal to an audio output or a visual display for illustrating said warning signal with respect to said alert device that produces said warning signal.

Claim 27 (new): The alert system, as recited in claim 23, wherein said alter deice further comprises a signal receiver communicated with said signal generator adapted for receiving a signal from said signal generator and transforming the signal to an audio output or a visual display for illustrating said warning signal with respect to said alert device that produces said warning signal.